



HARVARD MTA XR Flow EWT OptiCaps and EndoDirect Syringe Instruction Manual

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HARVARD MTA XR Flow EWT OptiCaps and EndoDirect Syringe



MTA cement, flowable, with extra long working time and EndoDirect syringe Harvard MTA XR Flow EWT OptiCaps is a biocompatible repair cement in OptiCaps®. Due to its flowable consistency in combination with a long working time, Harvard MTA XR Flow EWT SET is the ideal choice for rootend fillings (orthograde). Harvard MTA XR Flow EWT powder consists of very fine hydrophilic particles of several hydraulic mineral oxides. After contact with the liquid it forms a gel that hardens to an impermeable barrier. Harvard MTA XR Flow EWT OptiCaps® are easily activated and the content of the capsule is easily ejected with the Harvard Applier OptiCaps®. Mixing of Harvard MTA XR Flow EWT OptiCaps® (mixing time 30 seconds) is achieved by a high frequency mixer with about 4,300 oscillations/minute.

Indications

- Apexification / Root-end filling (orthograde)

Contraindications/side-effects None known.

Activation and mixing

See "Instructions for the activation and mixing of Harvard OptiCaps®" Mixing time for the Harvard MTA XR Flow EWT OptiCaps® is 30 seconds.

Attention:

Avoid lag times between the processes of activation, mixing and application as the material is in the process of setting and lag times may impair or prevent application of the material. The material must be extruded within 10 seconds after the end of mixing. To prevent dehydration during setting, apply Harvard MTA XR Flow EWT immediately after mixing.

Working time

Working time at 23° C (from the start of mixing): 4:00 minutes

Application

Place rubber dam and clean the root canal system using intracanal instruments and irrigate with NaOCl. Dry the root canal with paper points. For disinfection place calcium hydroxide paste in the root canal and seal the access opening with a temporary filling material. After one week remove the calcium hydroxide paste from the root canal system. Check the Harvard MTA EndoDirect syringe for tightness of the endo tip.

Note: Use only the fitted endo tip in combination with the Harvard MTA EndoDirect syringe!

Mark the working length with the silicone stop and bent the endo tip – if desired – at an obtuse angle. Remove the plunger from the syringe. Mix a capsule of Harvard MTA XR Flow EWT OptiCaps® as described under item 1 and transfer the mixed material into the Harvard MTA EndoDirect syringe. Apply the required amount of MTA flow EWT

into the apical region. Create a 3 – 5 mm barrier of MTA cement. Check the position of Harvard MTA XR Flow EWT by an X-ray. If an adequate barrier has not been created, rinse the MTA cement out of the canal and repeat the procedure. At the earliest 10 minutes after application of the Harvard MTA XR Flow EWT place a cotton pellet in the access to the root canal and apply a temporary filling material. Alternatively seal the root canal with a suitable root canal filling material and seal the cavity with a tight filling.

Notes

- In the first hour after application handle the placed MTA cement carefully.
- Store Harvard MTA XR Flow EWT OptiCaps® in the sealed packaging in a dry place prior to use.
- Harvard MTA XR Flow EWT can cause discoloration.

Storage

Store Harvard MTA XR Flow EWT at a dry place at 2 – 25 °C (36 °F – 77 °F). Do not use after expiry date. Harvard MTA XR Flow EWT OptiCaps® are for single use only.

Warranty

Harvard Dental International GmbH warrants this product will be free from defects in material and manufacture. Harvard Dental International GmbH makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusive remedy and Harvard Dental International GmbH's sole obligation shall be repair or replacement of the Harvard Dental International GmbH product.

Limitation of liability

Except where prohibited by law, Harvard Dental International GmbH will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

For dental use only

Store product out of reach of children

Keep the instructions for use for the duration of the application.

Activation and mixing of Harvard OptiCaps® & EndoDirect syringe

- Harvard OptiCaps® before activation.
- For activation of the Harvard OptiCaps®, press the plunger on a hard and plane surface to the end into the capsule.
- Insert the Harvard OptiCaps® into the Harvard Applier OptiCaps® and click once.
Note: The plunger must be at the same level as the bottom of the capsule.
- Insert the Harvard OptiCaps® into a standard mixer, close the lid and mix immediately for 30 seconds at 4,300 oscillations/minute.
- Insert the Harvard OptiCaps® into the Harvard Applier OptiCaps®. Remove the pin from the nozzle. If you leave it, the capsule can burst. Pull the lever 2 times (2 distinct clicks) to prime the the Harvard OptiCaps
- Check the Harvard MTA EndoDirect syringe for tightness of the endo tip. Mark the working length with the silicone stop and bent the endo tip – if desired – at an obtuse angle.

- Remove the plunger from the syringe.
- Transfer the mixed material immediately into the Harvard MTA EndoDirect syringe and apply. Unlock the Harvard Applier OptiCaps® (press button A) and remove the Harvard OptiCaps
- Place the plunger in the Harvard MTA EndoDirect syringe.
- Application of Harvard MTA XR Flow EWT into the apical region of the root canal.

Note:

- Use only the fitted endo tip in combination with the Harvard MTA EndoDirect syringe!
- Only with the Harvard capsule applier (Order.-No. 7092000) the optimal amount of mixed material is guaranteed.
- For the selection of a suitable capsule mixer, our sales and marketing colleagues are gladly available to you.

Documents / Resources



[HARVARD MTA XR Flow EWT OptiCaps and EndoDirect Syringe](#) [pdf] Instruction Manual
MTA XR Flow EWT OptiCaps and EndoDirect Syringe, MTA XR, Flow EWT OptiCaps and EndoDirect Syringe, EndoDirect Syringe, Syringe

References

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- [🌐 Startseite - Harvard Dental International](#)